



**PTO Form 1449
(Modified)
Supplemental Information
Disclosure**

Atty Docket No. TPIP002B
Application No.: 09/756,092
Inventor M. Cima et al.
Group 1639
Filing Date August 21, 2003
Conf. No. 5650

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U.S. Patent Documents

Examiner Initial	No.	Patent No./Pub. No.	Date	Patentee	Filing Date
JF	A1	6,180,060	01/30/2001	Green et al.	03/10/1995
	B1	3,422,268	01/14/1969	Meinig	12/29/1965
	C1	5,424,037	06/13/1995	Zimmermann et al.	06/15/1994
	D1	5,705,333	01/06/1998	Shah et al.	08/05/1994
	E1	6,460,014	10/01/2002	Waldman et al.	10/01/2002
	F1	2002/0049771	04/25/2002	Nagashima	03/13/2001
	G1	2002/0061599	05/23/2002	Elling et al.	12/29/2000

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation Yes	Translation No
JF	H1	WO 01/51919	07/19/2001	PCT				
	I1							
	J1							
	K1							
	L1							

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	M1	
	N1	
Examiner		Date Considered 3/25/05

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for Form 1449		Atty Docket No.	TPI-T200XC1
		Application No.:	09/756,092
Information Disclosure		Inventor	Michael Cima
Statement By Applicant		Group	1639
		Filing Date	January 8, 2001

U.S.PATENTDOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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CT	A1	US- 6,487,523 B2	11-26-2002	Jarman et al.	Throughout
	B1	US- 5,956,137	09-21-1999	Lim et al.	Throughout
	C1	US- 2003/0124610	07-03-2003	Kvalheim et al.	Throughout
	D1	US- 6,003,029	12-14-1999	Agrawal et al.	Throughout
	E1	US- 2003/0124028 A1	07-03-2003	Carlson et al.	Throughout
	F1	US- 2003/0022234 A1	01-30-2003	Cawse et al.	Throughout
	G1	US- 5,463,564	10-31-1995	Agrafiotis et al.	Throughout
	H1	US- 2003/0033088 A1	02-13-2003	Agrafiotis et al.	Throughout
	J1	US- 6,434,490 B1	08-13-2002	Agrafiotis et al.	Throughout
	K1	US- 5,684,711	11-04-1997	Agrafiotis et al.	Throughout
	L1	US- 5,901,069	05-04-1999	Agrafiotis et al.	Throughout
	M1	US- 5,574,656	11-12-1996	Agrafiotis et al.	Throughout
	N1	US- 6,175,816 B1	01-16-2001	Flavin et al.	Throughout
	O1	US- 2001/0036640 A1	11-01-2001	D'Amico	Throughout
	P1	US- 2002/0183938 A1	12-05-2002	Kobylecki et al.	Throughout
	Q1	US- 3,932,131	01-13-1976	Rolfo-Fontana	Throughout
	R1	US- 5,999,255	12-07-1999	Dupee et al.	Throughout
	S1	US- 6,421,553 B1	07-16-2002	Costa et al.	Throughout
	T1	US- 2003/0219906	11-27-2003	Giaquinta et al.	Throughout
	U1	US- 6,333,501 B1	12-25-2001	Labrenz	Throughout
	V1	US- 6,327,334 B1	12-04-2001	Murray, Jr.	Throughout
	W1	US- 6,140,643	10-31-2000	Brown et al.	Throughout
	X1	US- 6,327,334 B1	12-04-2001	Murray, Jr. et al.	Throughout
	Y1	US- 2003/0119060	06-26-2003	Desrosiers et al.	Throughout
	Z1	US- 6,100,901	08-08-2000	Mohda et al.	Throughout
	A2	US- 5,832,182	11-03-1998	Zhang et al.	Throughout
	B2	US- 5,956,137	09-21-1999	Lim et al.	Throughout

Examiner Signature	<i>J. C.</i>	3/25/05	Date Considered
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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Country Code ³ Number ⁴ Kind Code ⁵ (if known)					
JZ	C2	WO 03/014732 A1	02-20-2003	Symyx Technologies	Throughout
CL	D2	WO 01/34290 A2	05-17-2001	SRI International	Throughout

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Substitute for Form 1449	Atty Docket No.	TPI-T200XC1
	Application No.:	09/756,092
Information Disclosure	Inventor	CIMA, M.
Statement By Applicant	Group	1639
	Filing Date	January 8, 2001

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ₂
JK	E2	Aldridge, P.K. et al., "A Robotic Dissolution System with On-Line Fiber-Optic UV Analysis", <i>Journal of Pharmaceutical Sciences</i> , 84:8: (1995).	
	F2	Andersen, G. et al., "A Spreadsheet Approach to Automated Protein Crystallization", <i>J. Appl. Cryst.</i> , 29:236-240 (1996).	
	G2	Anquetil, P.A. et al., "Laser Raman Spectroscopic Analysis of Polymorphic Forms in Microliter Fluid Volumes", <i>Journal of Pharmaceutical Sciences</i> , Vol. 92:1: 149-160 (2003).	
	H2	Beckmann, W. et al., "The Effect of Additives on Nucleation: A Low Cost Automated Apparatus", <i>Journal of Crystal Growth</i> , 99:1061-1064 (1990).	
	I2	Brodersen, D. et al., "XAct: a program for construction, automated setup and bookkeeping of crystallization experiments", <i>Journal of Applied Crystallography</i> , 32:1012-1016 (1999).	
	J2	Bullock, E. & Pyatt, E.C., "Apparatus for the growth of crystals from small volumes of solution", <i>Journal of Physics E- Scientific Instruments</i> , Vol. 5: 412-413 (1972).	
	K2	Casay, G. et al., "Laser scattering in a hanging drop vapor diffusion apparatus for protein crystal growth in a microgravity environment", <i>J. of Cryst. Growth</i> , 122:95-101 (1992).	
	L2	Chayen, N. et al., "An Automated System for Micro-Batch Protein Crystallization and Screening", <i>J. App. Cryst.</i> , 23:297-302 (1990).	
	M2	Chayen, N. et al., "New Developments of the IMPAX Small-Volume Automated Crystallization System", <i>Acta Cryst.</i> , D50:456-458, (1994).	
✓	N2	Cox, J. et al., "Experiments with Automated Protein Crystallization", <i>J. Appl. Cryst.</i> , 20:366-373 (1987).	

Examiner Signature	<i>f. cr</i>	7/26/04	Date Considered
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Substitute for Form 1449	Atty Docket No.	TPI-T200XC1
	Application No.:	09/756,092
Information Disclosure Statement By Applicant	Inventor	CIMA, M.
	Group	1639
	Filing Date	January 8, 2001

NON PATENT LITERATURE DOCUMENTS

<i>JB</i>	O2	Cudney, B. <i>et al.</i> , "Screening and Optimization Strategies for Macromolecular Crystal Growth", <i>Acta Cryst.</i> , D50:414-423, (1994).
	P2	Davis, G.F. <i>et al.</i> , "Comparison of High Throughput Screening Technologies for Luminescence Cell-Based Reporter Screens", <i>Journal of Biomolecular Screening</i> , Volume 7: Number 1, (2002).
	Q2	Frank, Ronald, "Simultaneous and combinatorial chemical synthesis techniques for the generation and screening of molecular diversity," <i>Journal of Biotechnology</i> , 41:259-272 (1995).
	R2	Gilliland, G. <i>et al.</i> , "Screening for Crystallization Conditions and Robotics", <i>Acta Cryst.</i> , D50:408-413 (1994).
	S2	Gonzalez, F. <i>et al.</i> , "Crocodile: An Automated Apparatus for Organic Crystal Growth From Solution", <i>Acta Astronautica</i> , 25:12:775-784 (1991).
	T2	Jancarik, J. <i>et al.</i> , "Fast Communications", <i>J. of App. Cryst.</i> , 24: 409-411 (1991).
	U2	Kelders, H. <i>et al.</i> , "Automated protein crystallization and a new crystal form of a substilisin: eglin complex", <i>Protein Engineering</i> , Vol. 1:4:301-303, (1987).
	V2	Kuball, M., "Raman Spectroscopy of GaN, AlGaN and AlN for process and growth monitoring/control ", <i>Surface and Interface Analysis</i> , 31:987-999 (2001).
	W2	Lindsey, J. <i>et al.</i> , "Robotic work station for microscale synthetic chemistry: On-line absorption spectroscopy, quantitative automated thin-layer chromatography, and multiple reactions in parallel", <i>Rev. Sci. Instrum.</i> , 59:6:940-950(1998).
	X2	McPherson, A., "Two approaches to the rapid screening of crystallization conditions", <i>Journal of Crystal Growth</i> , 122:161-167 (1992).
<i>✓</i>	Y2	Morris, D. <i>et al.</i> , "Automation of Protein Crystallization Trials: Use of a Robot to Deliver Reagents to a Novel Multi-Chamber Vapor Diffusion Plate", <i>Biotechniques</i> , Vol. 7:5:522-527 (1989).

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	Application No.:	09/756,092
Information Disclosure	Inventor	CIMA, M.
Statement By Applicant	Group	1639
	Filing Date	January 8, 2001

NON PATENT LITERATURE DOCUMENTS

Z2	Newman, Alan, "Send in the Robots", <i>Analy. Chem.</i> , 62:1:29-34 (1990).
A3	Oldfield, T. et al., "A Flexible Approach to Automated Protein Crystallization", <i>J. Appl. Cryst.</i> , 24:255-260 (1991).
NO DATE B3	Petty, C. et al., "The use of FT-Raman Spectroscopy in the Study of Formulated Pharmaceuticals", Nicolet Instruments Pamphlet undated.
C3	Rosch, P. et al., "Chemotaxonomy of Mints of Genus Mentha by Applying Raman Spectroscopy", Wiley InterScience - www.interscience.wiley.com DOI:10.1002/bip.10099 (2002).
D3	Rubin, B. et al., "Minimal intervention robotic protein crystallization", <i>Journal of Crystal Growth</i> , 110: 156-163 (1991).
E3	Stewart, P. et al., "Practical experimental design techniques for automatic and manual protein crystallization", <i>Journal of Crystal Growth</i> : 196:665-673, (1999).
F3	Sobriano, T.M. et al., "ASTEC: an Automated System for Sitting-Drop Protein Crystallization," <i>Journal of Applied Crystals</i> , 26: 558-562 (1993).
G3	Tisone, T., "Dispensing systems for miniaturized diagnostics", <i>IVD Technology</i> , 1998.
H3	Van de Poll, S.W.E. et al., "In Situ investigation of the chemical composition of ceroid in human atherosclerosis by Raman spectroscopy", <i>Journal of Raman Spectroscopy</i> , 33:544-551 (2002).
I3	Wehrens, R., et al., "Mixture Modelling of medical magnetic resonance data", <i>Journal of Chemometrics</i> , 16:274-282 (2002).
J3	Yakovlev, Y. et al., "A Laboratory Apparatus for Crystal Growth from Solution", <i>Instruments and Experimental Techniques</i> , Vol. 41:2: 292-296 (1998).
K3	Zeelen, J. et al, "Crystallization Experiments with 2-Enoyl-CoA Hydratase, Using an Automated 'Fast-Screening' Crystallization Protocol", <i>Acta Cryst.</i> , D50:443-447 (1994).

Examiner Signature	<i>[Signature]</i>	3/6/05	Date Considered
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